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| Occurrence in Miocene to Pleistocene cores (19)  | Occurrence of <i>Ceuthospora cancellata</i> on Ellef Ringnes Island in Canadian Arctic (4)     | Evolution in Miocene and Pliocene off Queensland, Australia (39)                                    |
| Paleoecology   | Pteropoda  | Sodium  |
| Algae, calcareous  | Recent   | Foraminifera, planktonic  |
| Miocene of Lebanon (11)  | Occurrence of shells in surface sediment of northern Gulf of Mexico (33)                       | Occurrence in tests from Upper Pleistocene of Tasman Sea and Recent of North Atlantic (2)           |
| Diatoms  | <i>Pyxidinopsis</i> (Dinoflagellates)  | Spores  |
| <i>Ethmodiscus rex</i> in Upper Pleistocene of eastern equatorial Atlantic (16)          | Definition of (20)   | <i>Acanthotriteles persibus</i>   |
| Miocene to Pleistocene in equatorial Pacific (19)  | <b>Radiolaria</b>  | Definition of (23)  |
| Ostracoda  | <i>Buccinosphaera invaginata</i>   | <i>Apiculiretispora fructicosa</i>  |
| Cretaceous (Maastrichtian) in Argentina (3)  | Evolution in Late Pleistocene (32)   | Definition of (23)  |
| Paleoservices Micropaleontology Award  | <i>Collosphaera</i> sp. A  | <i>Auroraspora torquata</i>   |
| Notice of (37)   | Probable evolution to <i>Buccinosphaera invaginata</i> (32)                                    | Definition of (23)  |
| Pennsylvanian  | <i>Collosphaera tuberosa</i>   | <i>Calamospora breviradiata</i>   |
| Spores   | Contrasted with <i>Collosphaera</i> sp. A (32)   | Correlated with the fructification  |
| Occurrence in coal-ball fructifications and dispersed (6)                                | Pleistocene, Late  | <i>Calamocarpon insigne</i> (6)   |
| Phylogeny  | Evolution of the collosphaerid <i>Buccinosphaera invaginata</i> (32)                           | <i>Calamospora hartungiana</i>  |
| Radiolaria   | Recent and Pliocene  | Correlated with the fructification  |
| Use of amino acid content in determining (30)  | Occurrence of amino acids in specimens from Pacific cores (30)                                 | <i>Calamostachys americanus</i> (6)   |
| Picking tray   | <b>Recent</b>  | <i>Calyptosporites triangulatus</i>   |
| Scanning electron microscopy   | Coccolithophores   | Definition of (23)  |
| Construction and use of tray for preparing specimen stubs (18)                           | Occurrence in lagoons of Belize (British Honduras) (31)  | <i>Camptotriteles priotinus</i>   |
| Pleistocene  | Dinoflagellates  | Definition of (23)  |
| Diatoms  | <i>Ceratium</i> compared with similar Cretaceous marine genera (43)                            | <i>Cappaspores distortus</i>  |
| Occurrence in equatorial Pacific cores (19)  |  | Correlated with the fructification  |
| Pleistocene, Late  |  | <i>Achlamydocarpon</i> cf. <i>maslenii</i> (6)  |
| Radiolaria   |  | Carboniferous (Viséan)  |
| Evolution of the collosphaerid <i>Buccinosphaera invaginata</i> (32)                     |  | Occurrence in Mississippian (Cretaceous) of western Kentucky (15)                                   |

*Columnnisporites ovalis*  
Correlated with the fructification  
*Peltastrobis reedae* (6)

*Convolutispora oppressa*  
Definition of (23)

*Crassispora catenata*  
Definition of (23)

*Crassispora kosankei*  
Correlated with the fructification  
*Mazocarpion oedipternum forma microphorum* (6)

Devonian (Famennian?) and Carboniferous (Tournaisian)  
Occurrence at Hook Head, County Wexford, Ireland (Eire) (23)

*Didymosporites scottii*  
Morphology of (15)

*Grandispora cornuta*  
Definition of (23)

*Hymenozonotriletes cesciculus*  
Definition of (23)

*Kraeuselisporites fasciatus*  
Definition of (23)

*Kraeuselisporites hibernicus*  
Definition of (23)

*Kraeuselisporites mitratus*  
Definition of (23)

*Laevigatosporites medius*  
Correlated with the fructification  
*Bowmanites bifurcatus* (6)

*Lycospora granulata*  
Correlated with the fructification  
*Lepidostrobis oldhamius* (6)

*Lycospora subjugata*  
Correlated with the fructification  
*Lepidostrobis diversus* (6)

*Murospora dubitata*  
Definition of (23)

Pennsylvanian  
Occurrence in coal-ball fructifications and dispersed (6)

*Perotrilites caperatus*  
Definition of (23)

*Perotrilites paniculatus*  
Definition of (23)

*Pulvinispora quasiilebrata*  
Definition of (23)

*Punctatisporites obliquus*  
Correlated with the fructification  
*Scolecopteris cf. latifolia* (6)

*Radizonates cf. diffiformis*  
Correlated with the fructification  
*Sporangiostrobis cf. kansasensis* (6)

*Raistrickia condylosa*  
Definition of (23)

*Retusotriletes leptocentrum*  
Definition of (23)

*Rotaspora crenulata*  
Morphology of (15)

*Schopfites delicatus*  
Definition of (23)

*Spelaeotriletes crostatus*  
Definition of (23)

*Spelaeotriletes obtusus*  
Definition of (23)

*Spelaeotriletes resolutus*  
Definition of (23)

*Verrucosporites microtuberous*  
Correlated with the fructification  
*Biscalitheca musata* (6)

Strontium  
Foraminifera, planktonic  
Occurrence in tests from Upper Pleistocene of Tasman Sea and Recent of North Atlantic (2)

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Fourth, Oslo, Norway, 1976  
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Tasman Sea  
Foraminifera, planktonic  
Occurrence of sodium, magnesium and strontium in tests from Upper Pleistocene (2)

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Determination of susceptibility to dissolution (24)

Foraminifera  
Use of distribution and diversity to find shore lines, bathymetry, currents, biotopes, and biofacies (28)

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Determination of amino acids in Recent and fossil specimens (30)

Scanning electron microscopy  
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Tracheophyta  
*Achlamydocarpon cf. maslenii*  
Correlated with the spore *Cap-paspores distortus* (6)

*Biscalitheca musata*  
Correlated with the spore *Verrucosporites microtuberous* (6)

*Bowmanites bifurcatus*  
Correlated with the spore *Laevigatosporites medius* (6)

*Calamocarpon insigne*  
Correlated with the spore *Calamospora breviradiata* (6)

*Calamostachys americanus*  
Correlated with the spore *Calamospora hartungiana* (6)

*Lepidostrobis diversus*  
Correlated with the spore *Lycospora subjugata* (6)

*Lepidostrobis oldhamius*  
Correlated with the spore *Lycospora granulata* (6)

*Mazocarpion oedipternum forma microphorum*  
Correlated with the spore *Crassispora kosankei* (6)

*Peltastrobis reedae*  
Correlated with the spore *Columnnisporites ovalis* (6)

*Scolecopteris cf. latifolia*  
Correlated with the spore *Punctatisporites obliquus* (6)

*Sporangiostrobis cf. kansasensis*  
Correlated with the spore *Radizizones cf. diffiformis* (6)

Triassic (Rhaetic)  
Incertae sedis  
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